

Date 5/2/56MATERIAL BALANCE ON RADIOACTIVE ISOTOPES OBTAINED BY M. STERN

Shipment No.	Material	Date Received	Quantity Received	Quantity on Hand		Comments (Form of material, storage, disposal, decay, etc.)
				Date	Date	
0	Co <sup>60</sup>	June 1953	~5 mc.	3.5 mc. 5/1/56	3.42 mc. 5/1/56	Material in form of 5 metallic pellets. Difference in quantity due to decay. Stored in lead containers in Main File
1	Ni <sup>63</sup>	1/14/55	2 mc.	1.98 mc. 2/29/56	1.98 mc. 5/1/56	Material in form of Watt's type plating bath. Stored in lead container in Room 204.
2	Cr <sup>51</sup>	1/14/55	3 mc.	--	--	Material in decayed to stable state.
3	Po <sup>210</sup>	8/30/55	0.69 mc.	0.069 mc. 4/5/56	0.75 <sup>mc</sup> mc. 5/1/56	Material in solution as nitrate. Difference in quantity due to decay and use in corrosion studies. All waste solution evaporated and active residue placed in radioactive waste container.
4	Po <sup>210</sup>	12/27/55	0.79 mc.	0.438 mc. 4/5/56	0.33 <sup>mc</sup> mc. 5/1/56	Material in solution as nitrate. Difference in quantity due to decay and use in corrosion studies. All waste solution evaporated and active residue placed in radioactive waste container.
5	Ni <sup>63</sup>	12/28/55	~3 mc.	~3 mc. 2/15/56	~3 mc. 5/1/56	Stored in Room 204. Shipping container has not been opened.
6	Cr <sup>51</sup>	2/17/56	78 mc.	20 mc. 4/5/56	10.4 mc. 5/1/56	Stored in lead container in Room 204. Material in powdered form. Difference in quantity due to decay.
7	H <sup>3</sup>	3/29/56	150 mc.	150 mc. 4/5/56	150 mc. 5/1/56	Material in gaseous form. Shipping container in Room 204, has not been opened.
8	H <sup>3</sup>	4/4/56	150 mc.	150 mc. 4/5/56	150 mc. 5/1/56	Material in form of tritiated water - 6 ml. 25 mc. H <sup>3</sup> /ml. - shipping container not opened - stored in Room 204.

Signed: E. a. Tomes

UCCNHT0000394

Date: 5/2/56

AREA SURVEY FOR RADIOACTIVE CONTAMINATION

Room No. 203 and 204

Instruments Used: Nuclear-Chicago Model 1615-B with thin end window  
counter Model D-34

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Measurements and Comments:

All working areas in Rooms 203 and 204 and all equipment used were found to be free of any measurable contamination. Wipes made on all flat surfaces showed no contamination.

G.E. Model 45N11A3 placed in the center of the working area in Room 204 gave the following readings for the time periods indicated.

4/9/56 - 4/16/56 - 7 mr.  
4/16/56 - 4/30/56 - 12 mr.

Survey by: E.A. Tones

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